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ABSTRACT OF THE DISCLOSURE

An electric motor comprising a housing, stator magnets, two actuator components, a link, and two electrical conductors. The stator magnets are located in at least two row arrangements with a gap between them on the housing. Odd magnets have north on a first side and south on a second side and even magnets have south on the first side and north on the second side. The actuator components are located in first and second actuator gaps respectively. The link secures the actuator components to one another to form an actuator which is mounted to the housing for movement relative to the housing. The electrical conductors are secured to the first and second actuator component respectively. Each conductor has a section located in a respective actuator gap and extending transverse to magnetic field lines so that a current therein causes movement thereof relative to the housing.

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